

(19)



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(11)

EP 0 814 158 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
24.11.1999 Bulletin 1999/47

(51) Int Cl.6: **C12N 15/12, C07K 14/705,
C07K 16/28, A61K 38/17,
G01N 33/68, C07K 14/72**

(43) Date of publication A2:
29.12.1997 Bulletin 1997/52

(21) Application number: **97304250.0**

(22) Date of filing: **17.06.1997**

(84) Designated Contracting States:
BE CH DE DK FR GB IT LI NL

(30) Priority: **17.06.1996 US 19627 P**

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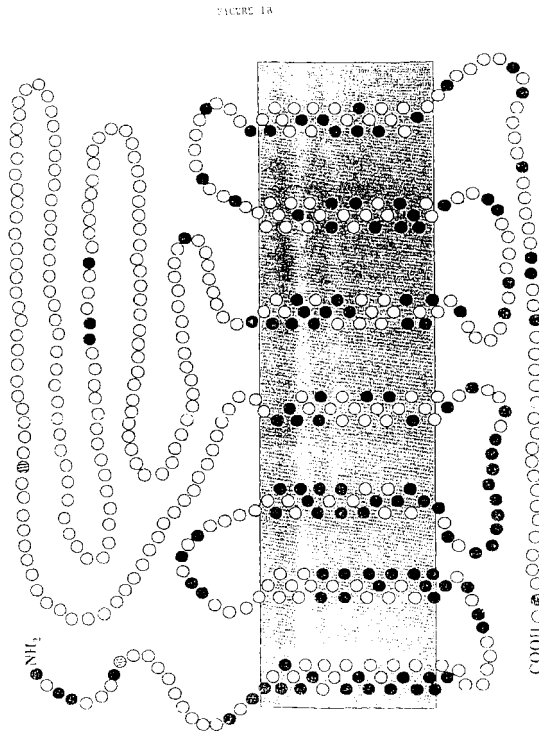
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(54) Human C3a receptor variant; uses in diagnostics and therapeutics

(57) Human C3a Receptor polypeptides and DNA (RNA) encoding such C3a Receptor and a procedure for producing such polypeptides by recombinant techniques is disclosed. Also disclosed are methods for utilizing such C3a Receptor for the treatment of inflammatory and auto-immune disorders, among others. Antagonists against such C3a Receptor and their use as a therapeutic to treat inflammatory and auto-immune disorders, among others, are also disclosed. Also disclosed are diagnostic assays for detecting diseases related to mutations in the nucleic acid sequences and altered concentrations of the polypeptides. Also disclosed are diagnostic assays for detecting mutations in the polynucleotides encoding the C3a Receptor and for detecting altered levels of the polypeptide in a host.



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PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention EP 97 30 4250 shall be considered, for the purposes of subsequent proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
D,X	ROGLIC A ET AL: "CDNA CLONING OF A NOVEL G PROTEIN-COUPLED RECEPTOR WITH A LARGE EXTRACELLULAR LOOP STRUCTURE" BIOCHIMICA ET BIOPHYSICA ACTA, vol. 1305, 7 February 1996 (1996-02-07), pages 39-43, XP000609693 ISSN: 0006-3002 * abstract; figures 1-4; table 1 * * page 42, paragraph 2 - page 43, paragraph 2 *	2,7,8	C12N15/12 C07K14/705 C07K16/28 A61K38/17 G01N33/68 C07K14/72
X	EMBER J A ET AL: "DESIGNING SYNTHETIC SUPERAGONISTS OF C3A ANAPHYLATOXIN" BIOCHEMISTRY, vol. 30, no. 15, 16 April 1991 (1991-04-16), pages 3603-3612, XP000147256 ISSN: 0006-2960 * abstract; figures 1,2,4; tables I-VII * * page 3605, paragraph 6 - page 3610, paragraph 6 *	9,10	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			C07K C12N A61K G01N
INCOMPLETE SEARCH			
The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for these claims.			
Claims searched completely :			
Claims searched incompletely :			
Claims not searched :			
Reason for the limitation of the search: see sheet C			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	22 September 1999	Oderwald, H	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EPO FORM 1503 03 02 (P04CG7)



Although claims 4-6 are directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compound/composition.

Claim(s) not searched:
1, 3, 4, 6

Reason for the limitation of the search:

Claims 1, 3, 4 and 6 have not been searched due to insufficient disclosure of the claimed compounds.



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Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT		CLASSIFICATION OF THE APPLICATION (Int.Cl.6)	
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X	KRETZSCHMAR T ET AL.: "Synthetic peptides as antagonists of the anaphylatoxin C3a" EUROPEAN JOURNAL OF BIOCHEMISTRY, vol. 210, no. 1, 15 November 1992 (1992-11-15), pages 185-191, XP002116090 * abstract; figures 1,2; table 1 *	9,10	
P,X	WO 96 25432 A (HUMAN GENOME SCIENCES INC ;LI YI (US); ROSEN CRAIG A (US)) 22 August 1996 (1996-08-22) * abstract; claims 1,7,14-16,19-24; figures 1,2; examples 1-3 *	2,5,7-10	
P,X	WO 96 39511 A (INCYTE PHARMA INC) 12 December 1996 (1996-12-12) * abstract; claims 1-3,9,10,13,16-20; figures 1,2 * * page 16, line 32 - page 24, line 10 *	2,5,7-10	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 97 30 4250

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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22-09-1999

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